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INT CL⁵ G08B 15/00 , H04N 7/18
Online databases: WPI

(54) Mobile video security system

(57) The mobile video security system for cabs comprises a video camera and mobile transceiver section combined to form a complete video security system, enabling video as well as audio signals to be transmitted to a remote base station. The video/audio signals can be recorded at the receiver side or monitored in real time.

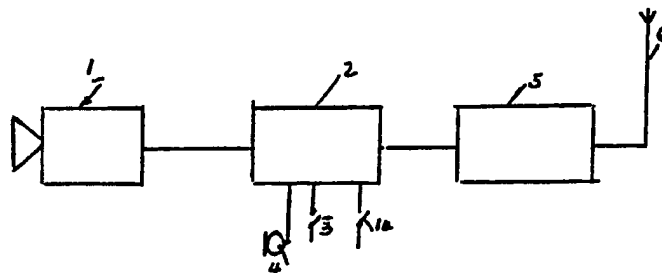


FIGURE 1

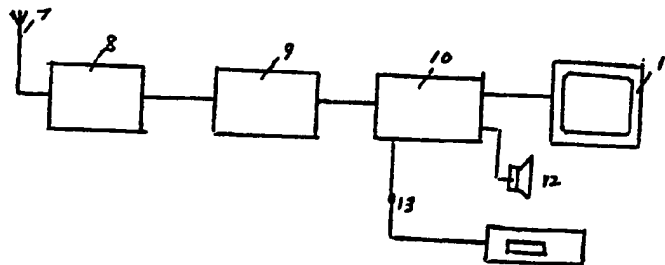


FIGURE 2

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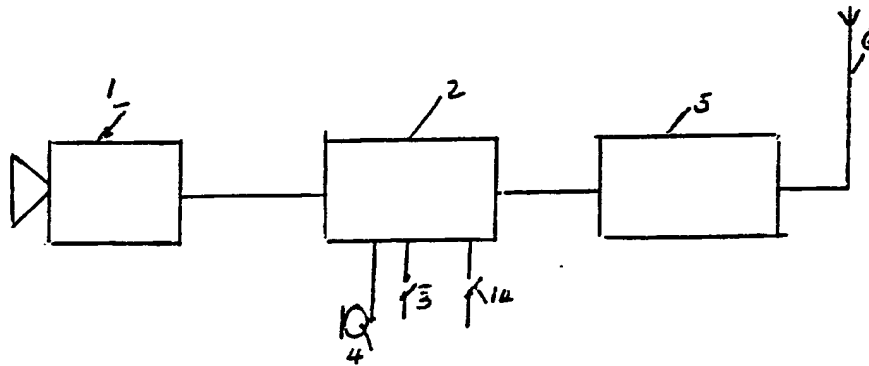


FIGURE 1

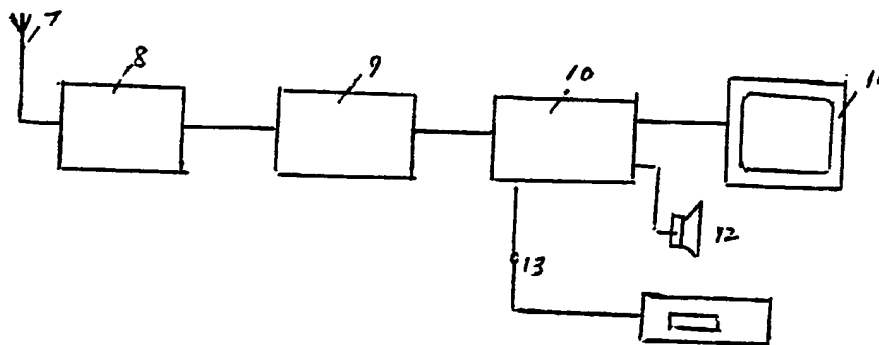


FIGURE 2

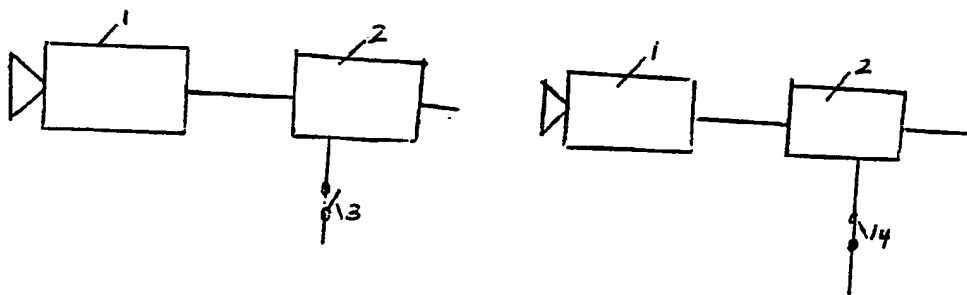


FIGURE 3

MOBILE VIDEO SECURITY SYSTEM FOR CABS

This invention relates to Mobile Video Security System for Cabs.

The existing security systems comprises of Audio link, Security shield or a Panic button to raise the alarm. In most cases there is no one else able to monitor the event as it takes place, resulting in loss of valuable time in providing backup and lack of subsequent evidence to identify and take necessary action.

This invention overcomes above drawbacks by transmitting events as they occur, saving valuable time thus enabling prompt action to be taken and having events stored to be used later.

According to the present invention, a Camera and its associated electronics will form part of a Mobile Communication System. The image captured by the Camera will be transmitted over the Mobile transmission System. The received image will be reconstructed by the receiving station.

A specific embodiment of the invention will now be described by way of example with reference to accompanying drawings in which :-

Figure 1 shows the block diagram of the Transmitter;

Figure 2 shows block diagram of the Receiver; and

Figure 3 shows the use of above system.

Referring to the drawing of the Security system comprises of 1 Camera, Video and Audio processing and switching electronics 2, Switch 3, Microphone 4, RF transmitter 5 and Aerial 6. In the receiving section of the system 7 is a Aerial, RF receiver 8, connected to 9, Video and Audio processing electronics¹⁰ for display 11, Audio 12 and output socket 13 for recording. The video image is transmitted by clicking the Mobile Transmit switch 3 in a sequence defined by the system working or by having a additional switch 14.

CLAIMS

1 With the use of Video Camera and its associated electronics, and Mobile Communication System structure is used to produce a Mobile Video Security System for Cabs . The system has two sections namely a Transmitter and Receiver. The transmitter section has a Camera, Audio and Video processing and Switching and RF Transmitter section. The receiving unit has RF Receiver section followed by Audio and Video processing and switching and Output section.

2 The Mobile Video Security System for Cabs claimed in 1 wherein Transmitter and Receiver are identified as separate units may be taken to be Transceivers.

3 The Mobile Video Security System for Cabs claimed in claim 1 and 2 wherein the RF section may be taken as an existing Mobile Communication equipment, Radio Pad , other Commercial Mobile Network System or a dedicated System designed to work in the system.

4 The Mobile Video Security System for Cabs claimed in 1 wherein Audio and Video processing may be taken as signal conditioning, with or without storing and further processing before transmission. Switching between Audio and Video can be performed manually, automatically or with switching disabled.

5 The Mobile Video Security System for Cabs claimed in 1 wherein the Output section may be taken to mean Audio and Video reproduction devices embodied within the system or external to it, with points for storage of received Audio and Video information.

Relevant Technical Fields

- (i) UK Cl (Ed.M) H4F - FAAE, FAAX
 (ii) Int Cl (Ed.5) G08B - 15/00; H04N - 7/18

Search Examiner
 D H JONES

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Databases (see below)

(i) UK Patent Office collections of GB, EP, WO and US patent specifications.

Documents considered relevant following a search in respect of Claims :-
 1-5

(ii) ONLINE DATABASES: WPI

Categories of documents

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| Category | Identity of document and relevant passages | Relevant to claim(s) |
|-----------------------------|--|----------------------|
| X | GB 2186148 A (SAYZEN) see lines 38-49 page 1 and lines 29-35 page 2 | 1-5 |
| X | US 5144661 (SHAMOSH) see Figure 3 and line 13 column 5 - line 60 column 6 | 1-5 |
| *X | EP 0600818 A1 (GARRANDES) see abstract and Figure 1 | 1-5 |
| X | WPI Abstract Accession No. 94-168467/21 & DE 4238275 | 1-5 |
| * indicates corrected entry | | |

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